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**Examiner Name** 

**Attorney Docket Number** 

Substitute for form 1449A/PTO

Application Number 10/038,730

Fiting Date January 2, 2002

First Named Inventor Robert M. Abrams, et al. Group Art Unit 1632

(use as many sheets as necessary)

Sheet 1 of 4

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			U.S. PATENT DOCUM	MENTS	
xaminer Initials	Cite No.1	V.S. Patent Document  Number Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
	1	3,701,771	Torsen et al	10-31-1972	
	2	4,364,921	Speck et al	12-21-1982	
	3	4,551,132	Pasztor et al	04-26-1988	
	4	4,739,768	Engelson et al	04-26-1988	
	5	4,795,741	Leshchiner et al	01-03-1989	
	6	4,994,069	Ritchart et al	02-19-1991	
	7	5,041,090	Shelglov etal	08-02-1991	
	8	5,122,136	Guglielmi et al	06-16-1992	
$I^{-}$	9	5,202,352	Okada et al	04-13-1993	
	10	5,234,437	Sepetka	08-10-1993	
	11	5,250,071	Palermo	10-05-1993	•
	12	5,261,916	Engelson	11-16-1993	
	13	5,304,195	Twyford et al	04-19-1994	
	14	5,310,407	Casale	05-10-1994	
1.	15	5,354,295	Guglielmi et al	10-11-1994	
	16	5,403,278	Emst et al	04-04-1995	
	17	5,443,454	Tanabe et al	. 08-22-1995	
	18	5,536,274	Nuess	07-16-1996	
1.	19	5,537,338	Coelho	07-16-1996	
	20	5,580,568	Greff et al	12-03-1998	

		_		FOREIG	N PATENT DOCU	MENTS	0 - 0	
	Cite	For	eign Patent Do	cument	Name of Patentee	Date of Publication of	Pages, Columns, Lines,	
Examiner Initials*	No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T <sub>e</sub>
ILS	47	WO	96/21427			07-18-1996		
	48	wo	97/45131			10-04-1997	***************************************	
	49	wo	98/16265			04-23-1998		
$\mathcal{I}_{\Delta}$	50	WO	98/27962			07-02-1998		
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Substitute for form 1449A/PTO C mplete if Known **Application Number** 10/038,730 **INFORMATION DISCLOSURE** Filing Date January 2, 2002 STATEMENT BY APPLICANT First Named Inventor Robert M. Abrams, et al. Group Art Unit 1632 (use as many sheets as necessary) **Examiner Name** not yet known Sheet 269/106 **Attorney Docket Number** 

			U.S. PATENT DOCUM	MENTS	{
		U.S. Patent Document	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant
Examiner Initials *	Cite No.'	Number Kind Code <sup>2</sup> (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Refevant Figures Appear
PS	21	5,614,204	Cochrum	03-25-1997	
7	22	5,624,461	Mariant	04-29-1997	
	23	5,639,277	Mariant el at	06-17-1997	
	24	5,648,082	Sikes	07-15-1997	
	25	5,649,949	Wallace et al	07-22-1997	
	26	5,649,959	Hannam et al	07-22-1997	
	27	5,667,767	Greff et al	09-16-1997	
	28	5,669,931	Kupiecki et al	09-23-1997	
	29	5,690,666	Berenstein et al	11-25-1997	
	30	5,695,480	Evans et al	· 12-09-1997	
	31	5,702,361	Evans et al	12-30-1997	
	32	5,749,894	Engelson	05-12-1998	
	33	5,776,097	Massoud	07-07-1998	
	34	5,785,679	Abolfathi et al	07-28-1998	
	35	5,795,331	Cragg et al	08-18-1998	
	36	5,823,198	Jones et al	10-20-1998	
	37	5,826,587	Berenstein et al	10-27-1998	
	38	5,830,178	Jones el at	11-03-1998	
ń	39	5,851,508	Greff et al	12-22-1998	
1	40	5,652,225	Isner	07-1997	

				FOREIGI	N PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1			Kind Code <sup>5</sup> (if known)		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>a</sub>

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/038,730						
Filing Date	January 2, 2002						
First Named Inventor	Robert M. Abrams, et al.						
Group Art Unit	1632						
Examiner Name	not yet known						
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	43	<del></del>	5,683			Park	07-20-199	9		
	44	6,33	5,384		Eva	ans et al.	01/01/200	2		
	45	6,28	1,263		Eva	ans et al.	08/28/200	)1		
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Substitute for form 1449A/PTO Complete if Known Application Number 10/038,730 EINFORMATION DISCLOSURE Filing Date January 2, 2002 EMENT BY APPLICANT First Named Inventor Robert M. Abrams, et al Group Art Unit 1632 e as many sheets as necessary) **Examiner Name** not yet known of Attorney Docket Number 269/106

	,	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
25	51	Dondelinger et al., eds. *Interventional Radiology*. Thieme Medical Publishers, Inc.: NY, 1990, pp. 295-313	
	52	Mandai et al. (October 1992). "Direct Thrombosis of aneurysms with cellulose acetate polymer: Part I: Results of thrombosis in experimental aneurysms", J. Neurosurg. 77: 497-500	
	53	Sugawara et al. (1993). "Experimental investigation concerning a new liquid embolization method: Combined administration of ethanol-estrogen and polyvinil acetate," Neurol. Med. Chir. (Tokyo) 33:71-76	
	54	Takahashi et al. "Nonsurgical treatment of AVM: Development of new liquid embolization method," in Advances in Surgery for Cerebral Stroke. Suzuki, J. ed., Tokyo, Japan: Springer-Verlag, 1988, pp. 215-224	
	55	Taki et al. (January/February 10990). "A New Liquid Material for Embolization of Arteriovenous Malfrormations," AJNR 11:163-168	
	56	Vinters et al. (1985). "The histotoxocity of cyanoacrylates: A selective review," Neuroradiol. 27:279-291	
25	57	Shively, M. L. et al (1995) "Physico-Chemical Characterization of a Polymeric Injectable Implant Delivery System", J. Controlled Release 33:237-243	
		·	

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